

41-V-196

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only)
As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

1. Manufactured and certified by PRECISION PIPE AND VESSEL, LLC 6535 N. WASHINGTON ST. DENVER CO 80229 USA
(Name and address of Manufacturer)

2. Manufactured for Range Fuels Soperton Plant, 11101 W 120th Ave, Suite 200, Broomfield, CO 80221
(Name and address of Purchaser)

3. Location of installation Soperton, GA
(Name and address)

4. Type Vertical CV-0891 None D-1509 897 2009
(Horizontal or vertical, tank) (Manufacturer's serial number) (CRN) (Drawing number) (National Board number) (Year built)

5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 2007 Edition

to 2008 Addenda None None
[Addenda (date)] (Code Case numbers) [Special service per UG-120(d)]

6. Shell SA-516-70N 2.5" 0.125" 4'-0" 14'-4"
(Material spec. number, grade) (Nominal thickness) (Corr. allow.) (Inner diameter) [Length (overall)]

7. Seams Welded Full 100 1100 3.25 1 Full 100 2
[Long. (welded, dbl., sngl., lap, butt)] [R. T. (spot or full)] (Eff., %) (H. T. temp.) (Time, hr) [Girth (welded, dbl., sngl., lap, butt)] [R. T. (spot or full)] (Eff., %) (No. of courses)

8. Heads: (a) Material SA-516-70N (b) Material SA-516-70N
(Spec. no., grade) (Spec. no., grade)

Table with 10 columns: Location (Top, Bottom, Ends), Minimum Thickness, Corrosion Allowance, Crown Radius, Knuckle Radius, Elliptical Ratio, Conical Apex Angle, Hemispherical Radius, Flat Diameter, Side To Pressure (Convex or Concave). Rows (a) TOP and (b) BOTTOM.

If removable, bolts used (describe other fastenings) N/A

9. MAWP 1650 N/A at max. temp. 550 N/A
(Internal) (External) (Internal) (External)

Min. design metal temp. 20 at 1650 Hydro., pneu., or comb. test pressure 2145

10. Nozzles, inspection, and safety valve openings:

Table with 9 columns: Purpose (Inlet, Outlet, Drain), Number, Diameter or Size, Type, Material, Nominal Thickness, Reinforcement Material, How Attached, Location. Rows include Access, Discharge, Vapor Outlet, Steam Outlet, Various.

11. Supports: Skirt Yes Lugs N/A Legs N/A Other N/A Attached Welded to Bottom Head

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: Shell Course 1, 6, TS Welding, Houston TX, 09-154; Shell Course 2, 6, TS Welding, Houston TX, 09-193

PSV Elsewhere in system

CERTIFICATE OF SHOP / FIELD COMPLIANCE
We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. "U" Certificate of Authorization Number 29,455
expires 01/15/12
Date 11/2/09 Co. name PRECISION PIPE AND VESSEL, LLC Signed [Signature]
CERTIFICATE OF SHOP / FIELD INSPECTION
Vessel constructed by PRECISION PIPE AND VESSEL, LLC at 6535 N. WASHINGTON ST. DENVER, CO 80229 USA
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Colorado and employed by One Beacon America Insurance Company
have inspected the component described in this Manufacturer's Data Report on 11/2/09, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. By Signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Date 11/2/09 Signed [Signature] Commissions NB 9625 ANB-COLO 326